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        (FILE 'USPAT' ENTERED AT 12:26:21 ON 13 DEC 1998)
                 SET PAGELENGTH 99
                 SET AUHELP NONE
L1       17133 S (NETWORK# OR "LAN") (P) (SURVEILLANCE OR MONITOR? OR SECURI
L2       67135 S DIGITAL (P) (RECORD? OR STORAGE OR FILE#)
L3         470 S L2 (P) L1
L4       64646 S CONFEREN? OR TELECONFEREN? OR TELE-CONFEREN? OR TWO-WAY OR
L5         201 S L4 AND L3
L6      137871 S VIDEO OR CAMERA#
L7         126 S L6 AND L5
L8          83 S L7 AND 19940101-19960709/FD

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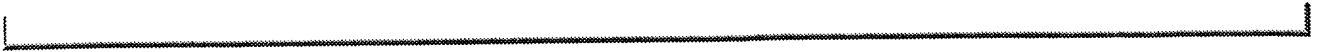
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US PAT NO: 5,805,806 [IMAGE AVAILABLE]   L8: 10 of 83

ABSTRACT:
A local area **network** (**LAN**) supports both baseband **digital LAN** signals
and **video**, including television signals originating outside the **network**
and local **video** generated within the **network**. The **network** may include
personal computers, television receivers, **video** cassette **recorders**,
printers, and **video cameras**. Connection circuitry permits each device to
receive both the **video** and the **digital LAN** signals through a single
coaxial cable connection. The connection circuitry includes a **LAN**
transceiver for each device in the **network** to enable each device to
transmit, receive, and decode **digital LAN** signals. A computer interface
enables any personal computer in the **network** to receive and display
television signals received by the **network** and **video** generated by another
computer or other device. A television interface enables any television in
the **network** to receive and display local **video** output by a personal
computer or other device in the **network** and enables the television to be
used as a remote **monitor** for the computer.

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US PAT NO: 5,802,283 [IMAGE AVAILABLE]   L8: 11 of 83

ABSTRACT:
A public switched telephone network for providing information from a
multimedia information server to any one of a plurality of subscriber
premises, comprises a central office receiving multimedia information signals
from a multimedia information server and orders from a prescribed subscriber.
The central office includes a gateway system for conveying routing data in
response to subscriber orders and a switch for routing multimedia signals
from the server to the prescribed subscriber in accordance with the routing
data. An interface at the central office transmits and receives audio
telephone service signals, subscriber control signals and digital multimedia
information signals on first, second and third signal channels. Each
subscriber premises includes an interface for transmitting and receiving
audio telephone service signals, subscriber control signals and digital
multimedia information signals on the three signal channels. A plurality of
subscriber local loops interconnect each subscriber interface and the central
office interface. Multimedia information is collected from information
providers and stored at media servers that provide a library of data and
control sessions. Software modules at the media servers and resident
terminals enable **interactive** multimedia session building, sharing of
databases and joint authoring of multimedia presentations.

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US PAT NO: 5,790,176 [IMAGE AVAILABLE]   L8: 14 of 83

ABSTRACT:
A media server receives, stores and forwards multi-media data and full motion
video feature presentations within a public switched telephone network.
The media server receives wide band digital video and MPEG encoded
video signals. The wide band digital video is encoded using either a
real-time MPEG encoding for immediate transmission over network facilities
to subscribers or, using a multi-pass MPEG encoder for storage by the Media
Server for subsequent transmission. The Media Server includes four levels of
storage including DRAM, optical and magnetic disk storage, high speed
tape storage and archival storage. A Librarian Processor allocates
storage space on a media appropriate to retrieval requirements for the
video data. The Librarian is responsive to a Storage Manager Processor
and a Session Manager Processor for providing video program data to an
Output Controller. The Session Manager Processor monitors all input, output
and throughput of the Media Server and monitors all user initiated
sessions. Interface with users for multi-media applications and interactive
control of video presentations is over a packet data network, via an
interactive processor which receives and decodes control data. A
Multi-Media Application Processor supports multi-media applications resident
on the Media Server.

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US PAT NO: <u>5,778,187</u> [IMAGE AVAILABLE]   L8: 18 of 83

ABSTRACT:
A scalable architecture is disclosed for delivery of real-time information over a communications network. Embedded into the architecture is a control mechanism that provides for the management and administration of users who are to receive the real-time information. In the preferred embodiment, the information being delivered is high-quality audio. However, it could also be **video**, graphics, text or any other type of information that can be transmitted over a digital network. Preferably, there are multiple channels of information available simultaneously to be delivered to users, each channel consisting of an independent stream of information. A user chooses to tune in or tune out a particular channel, but does not choose the time at which the channel distributes its information. Advantageously, **interactive (two-way)** information can be incorporated into the system, multiple streams of information can be integrated for delivery to a user, and certain portions of the information being delivered can be tailored to the individual user.

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US PAT NO: 5,753,970 [IMAGE AVAILABLE]   L8: 27 of 83
DATE FILED: **Apr. 2, 1996**

SUMMARY:

BSUM(35)

 It . . . or BLP's may act as, or be integrated into a functional system
or subsystem. The system level products contemplated include **digital** (or
other) data **storage** systems; **security** and **surveillance** systems ,
general purpose computers (such as personal computers, work stations,
servers, mini computers, mainframe computers and super computers); **digital**
audio and **video** compression and transmission systems; transportation
vehicles (such as airplanes, trains, automobiles, helicopters, rockets,
missiles, boats, submarines, and the like); subsystems. . . Global
Positioning System (GPS), navigational displays and controllers, hazard
avoidance such as radar and sonar, fly by wire control, and **digital** engine
control and **monitoring**); entertainment systems (such as **digital**
television and radio, **digital cameras**, audio and **video recorders**,
compact disc players, **digital** tape, or the like); and communications
systems (such as PBX, telephone switching, voice mail, auto attendant,
network controllers, **video teleconferencing, digital** data
transmission (such as token ring, ethernet, ATM, or the like), and including
subsystems or subassemblies for inclusion or attachment. . .

DETDESC:

DETD(44)
  (b) information and entertainment transmission systems comprising
   telecommunications, satellite, cable, cellular telephones, private branch
   exchange, telephone switching, and **video** picture telephones wherein the
   information may be digitally compressed and forward error corrected;

DETDESC:

DETD(45)
  (c) entertainment systems comprising digital **video** and audio systems, such
   as digital analog tape and high definition television, playback devices,
   display and reproduction means, for example, televisions, **cameras**,
   recorders, compact disc players/recorders, digital tape players/recorders
   and the like;

DETDESC:

DETD(61)

 FIG. . . . system 1500 may be comprised of the following component
subsystems: a high definition television (HDTV) 1502, a stereo 1504, a
video cassette recorder (VCR) 1506, a television **camera**/recorder
(Camcorder) 1508, a digital audio tape unit (DAT) 1510, a compact disk player
(CD) 1512, a VHF/UHF tuner 1514, a. . .

DETDESC:

DETD(63)

 FIG. . . . benefit from the features, aspects and advantages of the
present invention. Some of these subsystems are a digital audio and **video**
formatting subsystem 1614 which convert the analog entertainment information
into a digital format, and a digital compression and forward error. . .

DETDESC:

US PAT NO: 5,740,231 [IMAGE AVAILABLE]   L8: 31 of 83

ABSTRACT:
A communications system (10) is provided which comprises a plurality of
network hubs (12), (14), and (16). Network hubs (12), (14), and (16) are
interconnected through a communications network (18). The system (10)
interconnects messaging systems (24), (26), (28), (30), (32), (34), (36),
(40), (42) and (44) having disparate capabilities and using disparate
communications protocols. The network hubs use numbers of connection
processors (52) and (54) to interact with the messaging systems. A hub
database (68) and message store (58) are used to store control information
and messaging information within the network hubs. A network processor (60)
is used to interact with other hubs within the communications system (10). A
message router (72), connection manager (74), data replicator (76), and an
administrative event manager (78) are used to control the operations of the
hub in processing a message. A management server (64) and a event processor
(70) are used by communications system (10) to manage the internal operations
of each of the network hubs. The network center (37) contains a customer
computer interface system (167) and an **interactive** voice response system
(169) to allow user interaction with information provider databases (39), a
customer service system (161), a message tracking system (163), a billing
system (159), and a HelpLine system (157). The network center (37) contains a
master database (151) that is used to synchronize the databases stored in
each of the network hubs (12), (14), and (16).

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US PAT NO: 5,731,785 [IMAGE AVAILABLE]   L8: 36 of 83

ABSTRACT:
A system and method are provided for communicating between a person, object, and/or vehicle carried transceiver and a monitor station to locate and track the movement of the same for security or anti-crime purposes. A portable computing and communication device carried by a person or located (hidden) in an object generates and transmits via radio signals a plurality of codes when remotely activated. One (or more) code(s), identifying or descriptive of the person, object or vehicle to be tracked, is (are) generated and transmitted to a monitor station to display character and/or **video** picture information describing and/or physically displaying a picture of a select person and/or vehicle and license plate information to permit police or security personnel to recognize the same. Such coded information may be immediately transmitted or retransmitted from the monitor station to a radio receiver carried by a policeman or in one or more police vehicles. The portable device is equipped with location sensing capability, such as receiving signals from satellites such as from the GPS constellation, and a computer for calculating its position using triangulation methods. Transmission of the position signals from the portable device is inhibited for a time by entering thereat an inhibit personal identification number (PIN). Further, PINs are used by the monitoring station to activate and/or override the inhibiting feature.

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US PAT NO: 5,704,364 [IMAGE AVAILABLE]   L8: 41 of 83

ABSTRACT:
Method and apparatus for voice interaction between the service provider to
the patient whose life signs, e.g. an electrocardiograph (ECG), concurrently
are being monitored are described. Patient data and voice communication are
conveyed on a single, or common, public switched telephone (PSTN) line. A
life signs monitor at the patient site is connected to the patient and to a
digital simultaneous voice and data (DSVD) device having the ability to
digitize and compress the patient's voice and having the ability to
decompress and analogize the physician's voice via a standard telephone. A
modem modulates and demodulates transmitted and received data over the
telephone line. At a remote monitoring site a second modem receives and
transmits data over the same telephone line. The second modem is connected
with a second DSVD device connected to a display- or printer-equipped
receiving station for presentation in textual or graphic form to a remote
service provider the patient data, e.g. in the form of an ECG trace. Thus,
the service provider has the ability to overview patient life signs
monitoring while in direct vocal communication with the patient, for
instructing the patient or otherwise reassuring the patient of the proper use
of the life signs monitor or diagnosing or prescribing in real-time response
to what is gleaned from the monitoring.

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